

# Conference Program

February 21-23, 2017  
Singapore

TICEAS

The International Conference on Engineering  
and Applied Sciences

ICBENS

International Conference on Biological  
Engineering and Natural Sciences

ICEASS

International Conference on Education and  
Social Sciences

APCBM

Asia-Pacific Conference on Business and  
Management

**TICEAS**

**The International Conference on Engineering and Applied Sciences**

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ISBN 978-986-5654-07-8

**ICBENS**

**International Conference on Biological Engineering and Natural Sciences**

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ISBN 978-986-5654-13-9

**ICEASS**

**International Conference on Education and Social Sciences**

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ISBN 978-986-89844-5-5

**APCBM**

**Asia-Pacific Conference on Business and Management**

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ISBN 978-986-5654-42-9

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## ***Welcome Message***

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### **Local Host**

#### **Azilawati Jamaludin**

Office of Education Research

National Institute of Education

Nanyang Technological University Singapore

### **Welcome Speech & Networking**

09:30-10:00, Wednesday, February 22, 2017

Anson I & II, 2<sup>nd</sup> Floor, M Hotel Singapore

Dear Presenters and Participants,

It is an honor to be your local host and warmly welcome all of you to the Joint Conferences of TICEAS, ICBENS, ICEASS & APCBM organized by Higher Education Forum (HEF). Singapore is a multi-cultural city that thrives on diversity and I hope to mirror the embracement of diverse expertise and portfolios for an exciting and engaging intellectual exchange at the conference. With interdisciplinary dialog being a key feature of HEF-organized conferences, there is much to be gained from the wealth of insights beyond our domain field, ranging from varied disciplines such as engineering, applied and social sciences, business, education and more. Many past HEF conference presenters and participants have deeply valued the opportunity for interactions and learning with academics, researchers, practitioners, and students from diverse fields as we see our work in relation to others. Beyond intellectual engagement and collaboration, there is also much to be experienced as we enjoy learning about new cultures from our local and international delegates. Therefore I look forward to welcoming you to HEF conferences, as we draw together relations between our diverse disciplines and diverse cultures, paving the way for an enriching and enjoyable learning journey for each of us. As Leonard Bernstein once said, initiation into the love of learning is learning to know something by its relation to something else. See you in Singapore!

Yours sincerely

Dr Azilawati Jamaludin

## ***General Information for Participants***

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### ■ **Registration**

The registration desk will be situated on the **2<sup>nd</sup> floor** at **M Hotel Singapore** during the following time:

**08:30-17:30, Wednesday, February 22, 2017**

**08:30-17:00, Thursday, February 23, 2017**

### ■ **Organizer**



Higher Education Forum (HEF)

Tel: + 886 2 2740 1498 | [www.prohef.org](http://www.prohef.org)



### ■ **A Polite Request to All Participants**

Participants are requested to arrive in a timely fashion for all addresses. Presenters are reminded that the time slots should be divided fairly and equally by the number of presentations, and that they should not overrun. The session chair is asked to assume this timekeeping role and to summarize key issues in each topic.



Sandals or Slippers



Tank Top



Shorts

### ■ **Certificate**

#### **Certificate of Presentation or Certificate of Attendance**

A certificate of attendance includes participant's name and affiliation, certifying the participation in the conference. A certificate of presentation indicates a presenter's name, affiliation and the paper title that is presented in the scheduled session.

#### **Certificate Distribution**

Oral presenters will receive a certificate of presentation from the session chair after their presentations or at the end of the session. Poster presenters will receive a certificate of presentation from the conference staff at the end of their poster session.

The certificate of presentation will not be issued, either at or after the conference, to authors whose papers are registered but not presented. Instead, the certificate of attendance will be provided after the conference.

## ■ Preparation for Oral Presentations

All presentation rooms are equipped with a screen, an LCD projector, and a laptop computer installed with Microsoft PowerPoint. You will be able to insert your USB flash drive into the computer and double check your file in PowerPoint. We recommend you to bring two copies of the file in case that one fails. You may also connect your own laptop to the provided projector; however please ensure you have the requisite connector.

## Preparation for Poster Presentation

### Materials Provided by the Conference Organizer:

1. X-frame display & base fabric canvases (60cm×160cm)
2. Adhesive tapes or binder clips

### Materials Prepared by the Presenters:

3. Home-made poster(s)
4. Material: not limited, can be posted on the canvases
5. Recommended poster size: 60cm\*120cm



<p>A 60cm*160cm poster illustrates the research findings.</p>	<ol style="list-style-type: none"> <li>1. Wider than 60cm (left)</li> <li>2. Copy of PowerPoint slides in A4 papers (right)</li> </ol>

# International Committees

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## International Committee of Nature Sciences

Abdelmalik Serbout	University of physical and sports activities Djelfa Algeria	Algeria
Abdelwahab Elghareeb	Cairo University	Egypt
Abhishek Shukla	R.D. Engineering College Technical Campus, Ghaziabad	India
Ahmad Zahedi	James Cook University	Australia
Alexander M. Korsunsky	Trinity College, Oxford	UK
Almacen	Philippine Association of Maritime Training Centers	Philippines
Amel L. Magallanes	Capiz State University	Philippines
Amran Bin Ahmed	University Malaysia Perlis	Malaysia
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Chee-Ming Chan	Universiti Tun Hussein Onn Malaysia	Malaysia
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Cheng-Min Feng	National Chiao Tung University	Taiwan
Cheuk-Ming Mak	The Hong Kong Polytechnic University	Hong Kong
Chia-Ray Lin	Academia Sinica	Taiwan
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Hyoungseop Kim	Kyushu Insititute of Techonogy	Japan
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Jieh-Shian Young	National Changhua University of Education	Taiwan
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## International Committee of Social Sciences

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Kaedsiri Jaroenwisarn	Silpakorn Univesity	Thailand
Kanokphon Chantanarungpak	Srinakharinwirot University	Thailand
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Kimble Byrd	Rowan University	USA
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Maria Cristina M. De los Santos	Kyungdong University-Global Campus	South Korea

Marie Paz E. Morales	Philippine Normal University	Philippines
Masoud Kavooosi	The George Washington University	USA
Mehryar Nooriafshar	University of Southern Queensland	Australia
Michael Kao	Chang Gung University	Taiwan
Micheal Kon	Aletheia University	Taiwan
Ming-Chang Chih	National Chung Hsing University	Taiwan
Mingchu (Neal) Luo	Emporia State University	USA
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N. S. Ravishankar	Axis Bank	India
Naim Uzun	Aksaray University	Turkey
Nezaket Memmedli	Azerbaijan National Academy of Sciences	Azerbaijan
Obydullah Al Marjuk	Independent University, Bangladesh	Bangladesh
Ozgul Keles	Aksaray University	Turkey
Prasong Tanpichai	Kasetsart University	Thailand
Qi Wang	University of Southern Denmark	China
Rajesh U. Chheda	Shri. MD Shah Mahila College	India
Ramayah Thurasamy	Universiti Sains Malaysia	Malaysia
Reem Abed Almotaleb Abuiyada	Dhofar University	Palestine
Ricky Ng	Vocational Training Council	Hong Kong
Ronald Griffin	Florida Agricultural & Mechanical University	USA
Rotaru Ioan-Gheorghe	Timotheus Brethren Theological Insititute of Bucharest	Romania
Ruby Ann L. Ayo	Bicol University	Philippines
Sadiq Abdulwahed Ahmed Ismail	United Arab Emirates University	UAE
Sally dhruva' Stephenson	Frosterburg State University	USA
Seonjeong Ally Lee	Kent State University	USA
Shaik. Feroz	Caledonian College of Engineering	Oman
SHANG Songmin	The Hong Kong Polytechnic University	Hong Kong
Shujen Lee Chang	Asia University	Taiwan
Soon SONG	Wonkwang University	South Korea
Suzanne Beasterfield	Idaho State University	USA
Szu-Wei (Chris) Chen	I-Shou University	Taiwan
T.S.Devaraja	University of Mysore, Hemangothri Campus	India

Tan Khay Boon	SIM Global Education	Singapore
Theeraphab Phetmalaikul	Srinakharinwirot University	Thailand
Thoedsak Chomtohsuwan	Rangsit University	Thailand
Vijayaletchumy Subramaniam	Universitas Putra Malaysia	Malaysia
Wang Yu-Shan	National Kaohsiung First University of Science and Technology	Taiwan
Warren Matthews	Belhaven University	USA
Wei-Cheng(Joseph) Mau	Wichita State University	USA
Wen-Pei Sung	National Chin-Yi University of Technology	Taiwan
William Richeson	University of Kentucky	USA
Ye PeiShi	Family Justice Courts Singapore	Singapore
Ying Zhang	Southeast University	China
Yong-Ho Kim	Pukyong National University	South Korea
Yuki Yokohama	Kanto Gakuin University	Japan
Zabihollah Rezaee	The University of Memphis	USA
Zhou Xiao	Fudan University	China

## ***Special Thanks to Session Chairs***

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Prof K K Shukla	Indian Institute of Technology
H. H. Kwon	Daejin University
Yongwon Suh	Sungkyunkwan University
Santanu Kumar Karmakar	IEST Shibpur
Azusa N. Hattori	Osaka University
Yongwon Suh	Sungkyunkwan University
Qingwen Ni	Texas A&M International University
Seokho Yoon	Sungkyunkwan University
Azusa Katsumata	Seijo University
Do-Won Kim	Institute of Microelectronics
Joon Ho Hwang	Korea University
Sung-Soo Yoon	Korea University Business School
Insik Jeong	Korea University
Colin S Chen	National Kaohsiung Normal University
Witchayanee Ocha	Rangsit University
Darwish Al-Azmi	College of Technological Studies, Public Authority for Applied Education and Training (PAAET)
Jose Antonio Anaya-Roa	Universidad Autónoma Chapingo
Saifeldin Hassan Elawad	Omdurman Islamic University, Sudan
Azusa Katsumata	Seijo University

## Conference Venue Information

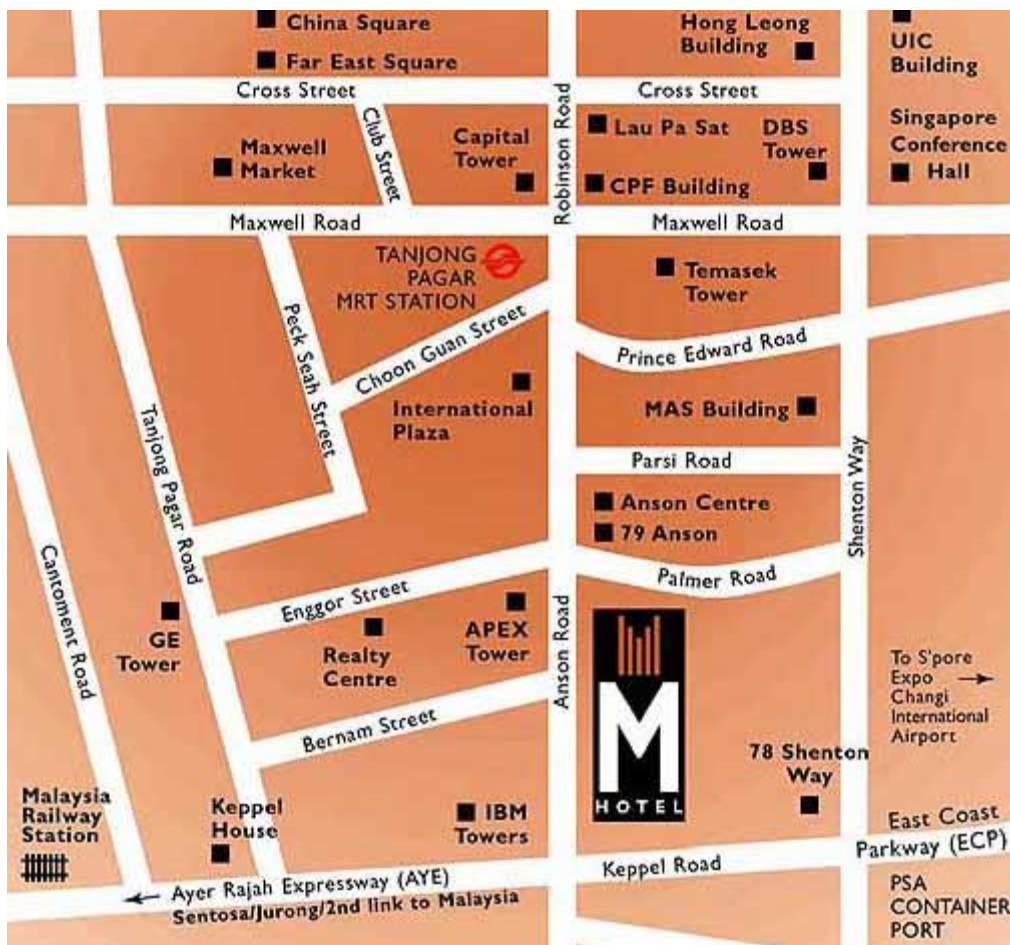
### M Hotel Singapore

Address: 81 Anson Road Singapore 079908

Telephone number: +65 6224 1133

An unique urban getaway in the heart of Singapore's financial district. Close by, you'll find the Marina Bay Financial Centre, Clarke Quay, and Orchard Road. M Hotel Singapore offers 413 rooms and suites, styled in contemporary chic. Technological features including wireless broadband are available, so you'll always stay connected. Working from the comfort of your hotel is easy. On level 8, we have 40 newly furnished office suites and a business centre. Meanwhile, our spacious ballrooms and 9 meeting rooms provide elegant spaces, adaptable for just any function - from business meetings to grand wedding banquets.

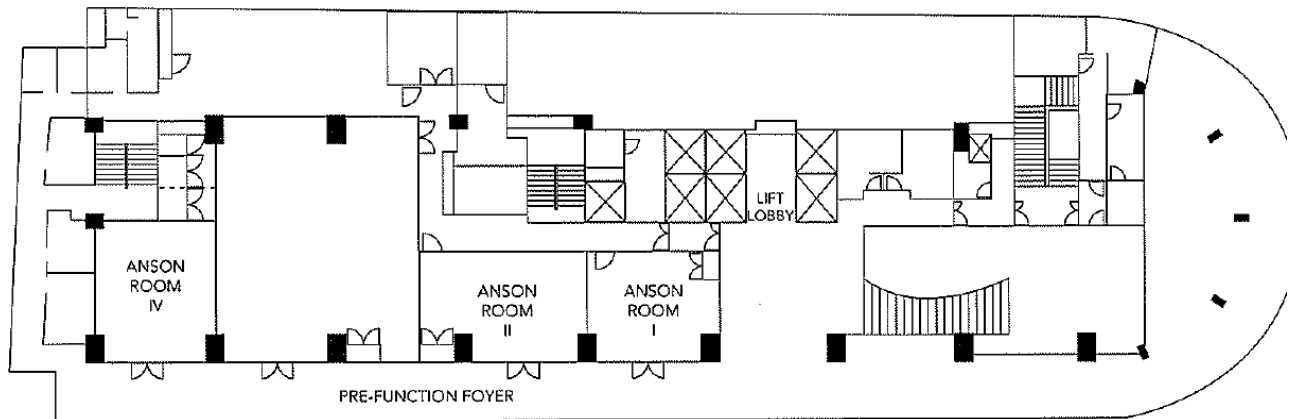
### Location





## *M Hotel Singapore Floor Plan (2<sup>nd</sup> Floor)*

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## *Conference Schedule*

**Tuesday, February 21, 2017**

**Internal Meeting (HEF Staff Only)**

**Wednesday, February 22, 2017**

**Oral Presentation**

**2F, M Hotel Singapore**

Time	Schedule	Venue
<b>08:30-17:30</b>	Registration	Foyer Area
<b>09:30-10:00</b>	<b><u>Welcome Speech &amp; Networking</u></b> <b>Dr Azilawati Jamaludin</b> Nanyang Technological University Singapore	Anson I & II
<b>10:00-12:00</b>	<b><u>Nature Science Keynote Speech (10:00-11:00)</u></b> <b>Prof. Yonik Meilawati Yustiani</b> Pasundan University <i>Topic: Identification of Influencing Factors to the Deoxygenation Rate of Rivers Located in the Urban Area</i> ----- <b><u>Social Science Keynote Speech (11:00-12:00)</u></b> <b>Prof. David C. Donald</b> The Chinese University of Hong Kong <i>Topic: Increasing Information Facilitates Codified Law: Why Statutes Have Supplanted the Common Law</i>	Anson I & II
<b>12:00-13:00</b>	<b>Lunch Time</b>	The Buffet (2F)
<b>13:00-14:30</b>	Computing Science & IT Engineering	Anson I
	Mechanical Engineering	Anson II
	Psychology (1)	Anson IV
<b>14:30-14:45</b>	<b>Tea Break &amp; Networking</b>	Foyer Area
<b>14:45-16:15</b>	Biological Engineering	Anson I
	Chemical Engineering / Material Science and Engineering	Anson II
	Psychology (2)	Anson IV
<b>16:15-16:30</b>	<b>Tea Break &amp; Networking</b>	Foyer Area

<b>16:30-18:00</b>	Biological Engineering / Natural Science	Anson I
	Electrical & Electronic Engineering (1)	Anson II
	Education (1) & Society (1)	Anson IV

<b>Wednesday, February 22, 2017</b>	
<b>Poster Presentation</b>	
<b>Anson IV, 2F, M Hotel Singapore</b>	
<b>Time</b>	<b>Schedule</b>
<b>09:00-10:00</b>	Poster Sessions (1) Education (1) / Psychology / Biological Engineering/ Chemical Engineering/ Electrical & Electronic Engineering/ Environmental Engineering / Fundamental & Applied Engineering (1)

<b>Thursday, February 23, 2017</b>		
<b>Oral Presentation</b>		
<b>2F, M Hotel Singapore</b>		
<b>Time</b>	<b>Schedule</b>	<b>Venue</b>
<b>08:30-17:00</b>	Registration	Foyer Area
<b>08:45-10:15</b>	Electrical & Electronic Engineering (2)	Anson I
	Finance	Anson II
<b>10:15-10:30</b>	<b>Tea Break &amp; Networking</b>	Foyer Area
<b>10:30-12:00</b>	Accounting / Economy / Marketing	Anson I
	Management	Anson II
<b>12:00-13:00</b>	<b>Lunch Time</b>	The Buffet(2F)
<b>13:00-14:30</b>	Civil Engineering / Environmental Engineering	Anson I
	Culture	Anson II
<b>14:30-14:45</b>	<b>Tea Break &amp; Networking</b>	Foyer Area
<b>14:45-16:15</b>	Fundamental and Applied Sciences	Anson I
	Education (2)	Anson II
<b>16:15-16:30</b>	<b>Tea Break &amp; Networking</b>	Foyer Area
<b>16:30-18:00</b>	Law / Communication / Politics / Society (2)	Anson I
	Education (3)	Anson II

<b>Thursday, February 23, 2017</b>	
<b>Poster Presentation</b>	
<b>Anson IV, 2F, M Hotel Singapore</b>	
<b>Time</b>	<b>Schedule</b>
<b>09:00-10:00</b>	Poster Sessions (2) Business / Education (2) / Management / Society
<b>10:30-11:30</b>	Poster Sessions (3) Civil Engineering/ Material Science and Engineering / Natural Science/Fundamental & Applied Engineering (2) / Computing Science & IT Engineering/Mechanical Engineering/ Electrical & Electronic Engineering (2)

# Nature Sciences Keynote Speech

Anson I & II, 2<sup>nd</sup> Floor

10:00-11:00, Wednesday, February 22, 2017

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*Topic: Identification of Influencing Factors to the Deoxygenation Rate of Rivers Located in the Urban Area*

**Yonik Meilawati Yustiani**  
**Department of Environmental Engineering**  
**Pasundan University**  
**Indonesia**



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## **Abstract:**

Deoxygenation process is an important process in the effort to do the self purification of the river, which degrade organic pollutants types of bio-degradable so that the river came be purified. The rate of deoxygenation process will affect the self purification rate. Research on the deoxygenation very rarely done in the polluted urban rivers. Deoxygenation rate value obtained from previous research showed that the value of urban river deoxygenation rate is relatively low. The low value of the rate of deoxygenation led to the difficulty in rivers to purify themselves. Pollutants inhibiting the process can be stopped at the source, and self purification process can be improved in these water bodies. The cause of the low rate is necessary to be identified in detail to improve the quality conditions of the river. Therefore, this research needs to be conducted so that the parameters inhibiting self purification process can be overcome and that the water quality can be improved. The parameters examined through the sampling process water streams represented by Cikapundung and Citarum Rivers, located in Bandung area, Indonesia, as urban rivers. The water samples were analyzed to obtain the content of physics, chemistry, and biology parameters. The rate of deoxygenation also simulated in the laboratory using the method of calculation of daily dissolved oxygen and methods of Thomas' Slope. Biochemical test was performed to identify the content of microorganisms decomposers contained in the river water. Results of laboratory analysis and simulation will be processed to obtain a dominant parameter influencers deoxygenation rate in urban rivers. Processing the results will show the relationship between each parameter on the rate of deoxygenation.

**Brief Introduction of Prof. Yonik Meilawati Yustiani**

-Associate professor in the Department of Environmental Engineering, Pasundan University, Bandung-Indonesia

-Head of Center for Research, Scientific Publication, and International Collaboration, Engineering Faculty, Pasundan University

# Social Sciences Keynote Speech

Anson I & II, 2<sup>nd</sup> Floor

11:00-12:00, Wednesday, February 22, 2017

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*Topic: Increasing Information Facilitates Codified Law: Why Statutes Have Supplanted the Common Law*



**David C. Donald**

**Professor**

**Faculty of Law**

**The Chinese University of Hong Kong**

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## **Abstract:**

North (1990) draws a distinction between institutions that are ‘created’, like a constitution or other written rules, and institutions that ‘simply evolve,’ like the common law. Eisenberg (1988), using a jurisprudential rather than institutional framework, explains in detail how informal institutions (‘social propositions’) are processed into law through litigation. Deakin and Carvalho (2010) have shown how legal concepts carry information analogous to the instructions of genetic code and how the interaction of enduring concepts with changing circumstances triggers the consistency in variation of legal evolution. Deakin (2015) further argues that disequilibria in the evolution of common law can necessitate legislative intervention, so that both the common and civil law systems are hybrids requiring both statute and case law.

Building on the above theoretical foundation, this paper offers an information-based theory of the changing balance between case and statutory law in common law systems. Growing amounts of real-time information about disputes, solutions and disequilibria increasingly allow lawmakers to self-reflectively engage in the ‘second-order observation’ (Luhmann, 1993) necessary to form the general and abstract rules composing statutes. Courts can (with a minimal framework of ‘writs’ and ‘stare decisis’) create law spontaneously despite sparse information. Evidence of this can be found in pre-Imperial Great Britain and the 19th century United States. In environments where information rapidly accumulates, ‘second order observation’ of law expands, accelerating the production cycle from informal institution to abstract statutory rule. Case law remains important (increasingly so in civil law jurisdictions) because constant social and technological change rapidly render legislation incomplete or

obsolete. However, there is no reason to think increased information flows will trigger endless rapid change. Therefore, it is likely that increasing information about problems, solutions and disequilibria will continue to diminish the importance of case law for processing informal constraints into the formal institutions of law.

### **Brief Introduction of Prof. David C. Donald**

David C. Donald is a Professor in the Law Faculty of The Chinese University of Hong Kong. David previously taught at the Institute for Law and Finance of the University of Frankfurt, Germany and worked as a commercial lawyer in the US and Europe. His publications include *A Financial Centre for Two Empires: Hong Kong's Corporate, Securities and Tax Laws in its Transition from Britain to China* (Cambridge, 2014), *The Hong Kong Stock and Futures Exchanges – Law and Microstructure* (Sweet & Maxwell 2012), and (with Andreas Cahn), *Comparative Company Law: Texts and Cases on the Laws Governing Corporations in Germany, the UK and the USA* (Cambridge 2010). He is participating with scholars from other universities on a Hong Kong Research Grants Council funded project, “Enhancing the Future of Hong Kong as a Leading International Financial Centre.” David is currently a member of Hong Kong's Standing Committee for Company Law Reform and its Financial Policy Research Committee, as well as a member of the Hong Kong Institute of Chartered Secretaries Academic Advisory Panel. He is also a member of the Higher Education Forum Core Committee.



### Computing Science & IT Engineering

Wednesday, February 22, 2017    13:00-14:30    Anson I

Session Chair: *Prof. K K Shukla*

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#### TICEAS-2638

**An Integer Programming Formulation of the Intuitionistic Fuzzy Orienteering Problem and Its Work-Depth Analysis**

Madhushi Verma | *IIT(BHU)*

K K Shukla | *IIT(BHU)*

#### TICEAS-2674

**Fast H.265 Video Encoder Using Data Mining Technique**

Jyun-Ru Chen | *I-Shou University*

Liang-Chun Chen | *I-Shou University*

Chou-Chen Wang | *I-Shou University*

#### TICEAS-2680

**A Study of IEEE Standard 1609.2 Message Encoder/Decoder for Vehicular Communication Security**

Hye-In Seo | *Hanbat National University*

Eun-Gi Kim | *Hanbat National University*

#### TICEAS-2681

**A Study on the ECQV Implicit Certificate**

Jeong-Gi Seong | *Hanbat National University*

Eun-Gi Kim | *Hanbat National University*

#### TICEAS-2710

**An Efficient Manager for Decoded Picture Buffer Based on Scalable High-Efficiency Video Coding (SHVC)**

Chou-Chen Wang | *I-Shou University*

Hung-Ming Hung | *I-Shou University*

Yen-Tzu Liao | *I-Shou University*

## Mechanical Engineering

Wednesday, February 22, 2017 13:00-14:30 Anson II

Session Chair: *Prof. H. H. Kwon*

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### TICEAS-2653

#### **Experimental Study on the Effect of Using Blends of Diesel and Palm Strearin Biodiesel as Fuels in a Diesel Engine**

Bijan Kumar Mandal | *Indian Institute of Engineering Science and Technology, Shibpur*

Ambarish Datta | *Indian Institute of Engineering Science and Technology, Shibpur*

### TICEAS-2769

#### **The Optimization of Cam Ring Gear Parts using Hot-Cold Forging Technology of Small Bar**

D. H. Park | *Gyeongbuk Hybrid Technology Institute*

Y. H. Tak | *Gyeongbuk Hybrid Technology Institute*

K. S. Na | *Gyeongbuk Hybrid Technology Institute*

H. H. Kwon | *Daejin University*

### TICEAS-2729

#### **A Numerical Study on Miscible Viscoelastic Fingering Instability**

Hosna Shokri | *Shahrood University of Technology*

Mohammad Hassan Kayhani | *Shahrood University of Technology*

Mahmood Norouzi | *Shahrood University of Technology*

### TICEAS-2757

#### **Effects of Elasticity Number on the Heated Flow of Viscoelastic Fluid inside Planar Channel with a Symmetric Abrupt Expansion**

Amin Shahbani Zahiri | *University of Birjand*

Hassan Hassanzadeh | *University of Birjand*

Mohammad Mohsen Shahmardan | *Shahrood University of Technology*

Mahmood Norouzi | *Shahrood University of Technology*

### TICEAS-2708

#### **Nonlinear Vibration and Frequency Response Analysis of Curved Double-Walled Nanotube Conveying Fluid**

Vahid Mohammadhashemi | *Shahrood University of Technology*

Amir Jalali | *Shahrood University of Technology*

## Psychology (1)

Wednesday, February 22, 2017 13:00-14:30 Anson IV

Session Chair: *Prof. Yongwon Suh*

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### ICEASS-2103

#### **Effects of Abusive Supervision on Organizational Citizenship Behavior and Job Engagement**

Han Na Kim | *Sungkyunkwan University*

Yong Won Suh | *Sungkyunkwan University*

Yeong Hyun Hong | *Sungkyunkwan University*

### ICEASS-2105

#### **The Effectiveness of Negative Feedback: Differential Effects of Constructive and Destructive Criticism**

Chanwoo Cho | *Sungkyunkwan University*

Yongwon Suh | *Sungkyunkwan University*

### ICEASS-2109

#### **Effect of Ego-Threatening and Non Ego-Threatening Abusive Supervision on Creativity**

Mona Heejung Lee | *Sungkyunkwan University*

Yongwon Suh | *Sungkyunkwan University*

### ICEASS-2120

#### **The Interaction Effects of Subordinate's Cognition- and Affect-Based Trust to Leader on Prosocial Voice**

Jungwhan Yoo | *Sungkyunkwan University*

Yongwon Suh | *Sungkyunkwan University*

### ICEASS-2096

#### **Conceptual Expansion of Work-Family Balance: Interaction Effect of Employee's Fit and Partner's Fit**

Yeong Hyun Hong | *Sungkyunkwan University*

Jong Kyung Chae | *Sungkyunkwan University*

Yongwon Suh | *Sungkyunkwan University*

**ICEASS-2136**

**The Effect of Workplace Spirituality on Creativity**

Seohyeon Hwang | *Sungkyunkwan University*

Yongwon Suh | *Sungkyunkwan University*

## Biological Engineering

Wednesday, February 22, 2017 14:45-16:15 Anson I

Session Chair: *Prof. Santanu Kumar Karmakar*

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### ICBENS-873

#### **Saccharification of Alkaline Treated Rice Straw by Subsequently Hydrolysis of Xylanolytic-Cellulolytic Enzymes for Xylooligosaccharides and Glucose Production**

Kanok Wongratpanaya | *King Mongkuts University of Technology Thonburi*

Junjarus Sermsathanaswadi | *Suan Dusit Rajabhat University*

Thidarat Nimchua | *National Center for Genetic Engineering and Biotechnology*

Rattiya Waeonukul | *King Mongkuts University of Technology Thonburi*

Patthra Pason | *King Mongkuts University of Technology Thonburi*

Chakrit Tachaapaikoon | *King Mongkuts University of Technology Thonburi*

Akihiko Kosugi | *Japan International Research Center for Agricultural Sciences*

Khanok Ratanakhanokchai | *King Mongkuts University of Technology Thonburi*

### ICBENS-879

#### **Exploration of Gene Expression Data in Korean Hanwoo Cattle to Identify and Predict Novel Genes**

Kelsey Caetano-Anolles | *Seoul National University*

Kwondo Kim | *Seoul National University*

Heebal Kim | *Seoul National University*

### ICBENS-990

#### **Simultaneous Imaging of Bright-Field and Hologram Images for 3D Observation of Cell Dynamics**

Hyeokjun Byeon | *Pohang University of Science and Technology*

Sang Joon Lee | *Pohang University of Science and Technology*

### ICBENS-993

#### **A Comparative Study of Anaerobic Bioconversion of Macroalgal Ulva Biomass in Continuous Versus Sequencing Batch Modes**

Heejung Jung | *Ulsan National Institute of Science and Technology (UNIST)*

Jaai Kim | *Ulsan National Institute of Science and Technology (UNIST)*

Changsoo Lee | *Ulsan National Institute of Science and Technology (UNIST)*

**TICEAS-2785**

**Development and Validation of Finite Element Model of a Human Cervical Spine under Physiologic Loads**

Shambo Bhattacharya | *IEST Shibpur*

Jayanta Kumar Biswas | *IEST Shibpur*

Partha Sarathi Banerjee | *CMERI Durgapur*

Santanu Kumar Karmakar | *IEST Shibpur*

## Chemical Engineering / Material Science and Engineering

Wednesday, February 22, 2017 14:45-16:15 Anson II

Session Chair: *Prof. Azusa N. Hattori*

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### **TICEAS-2675**

#### **Enhancement of the Resistance Changing Rate in the Three Dimensionally Size Controlled VO<sub>2</sub> Nanowall Wire**

Azusa N. Hattori | *Osaka University*

Satoshi Tsubota | *Osaka University*

Hidekazu Tanaka | *Osaka University*

### **TICEAS-2752**

#### **Optimization of Extraction Conditions for Total Phenolic Content and Antioxidant Activities from *Auricularia Polytricha***

Maradee Phongpipatpong | *King Mongkuts Institute of Technology Ladkrabang*

Patumporn Manowan | *King Mongkuts Institute of Technology Ladkrabang*

Ladda Wattanasiritham | *Institute of Food Research and Product Development*

### **TICEAS-2687**

#### **Evaluation of Fire-Fighter's Cardiorespiratory State Based on Frequency Analysis of Heart Rate**

Yushi Ito | *Nohmi Bosai Ltd.*

Yasushi Oka | *Yokohama National University*

Yukihisa Kuriyama | *The University of Tokyo*

### **TICEAS-2751**

#### **Synthesis of Pentaerythritol Fatty Acid Ester as Biolubricant**

Thanaboon Pansuwan | *King Mongkuts Institute of Technology Ladkrabang*

Prakob Kitchaiya | *King Mongkuts Institute of Technology Ladkrabang*

**TICEAS-2770**

**Layer-by-Layer Assembly of Graphene-Polymer Nanocomposites for Multifunctional Ultrathin Films**

Yong Tae Park | *Myongji University*

Dukhyun Choi | *Kyung Hee University*

Sangmin Lee | *Chung-Ang University*

Dongseob Kim | *KITECH*

Woonbong Hwang | *POSTECH*



## Psychology (2)

Wednesday, February 22, 2017 14:45-16:15 Anson IV

Session Chair: *Prof. Yongwon Suh*

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### ICEASS-1998

#### **Relationship between Perceived Competence and Subjective Career Success on Middle Level Career Employees**

Fitri Arlinkasari | *YARSI University*

Sari Zakiah Akmal | *YARSI University*

Laila Fajriyah Naiko Rasaki | *YARSI University*

### ICEASS-2143

#### **Career Orientation Scale: Validity and Reliability Test with Confirmatory Factor Analysis**

Sari Zakiah Akmal | *YARSI University*

Fitri Arlinkasari | *YARSI University*

Intan Andryani | *YARSI University*

### ICEASS-2119

#### **Time Aversion in Helping Revisited: Moral Identity Does Not Discriminate ‘Small Helping’ from ‘Big Helping’ in Korea**

Seun Sung | *Sungkyunkwan University*

Ha-Eun Park | *Sungkyunkwan University*

Hoon-Seok Choi | *Sungkyunkwan University*

### ICEASS-2124

#### **Feeling How You Would Feel vs. Feeling How I would Feel: Evidence for Other-Focused (but Not for Self-Focused) Perspective-Taking**

Seon Yeong Kim | *Sungkyunkwan University*

Junghyun Park | *Sungkyunkwan University*

Hoon-Seok Choi | *Sungkyunkwan University*

**ICEASS-2131**

**Impact of Self- and Group-Affirmation on Response to Ingroup and Outgroup Ostracism**

Injung Ko | *Sungkyunkwan University*

John M. Levine | *University of Pittsburgh*

Hoon-Seok Choi | *Sungkyunkwan University*

**ICEASS-29928**

**The Symbiosis between Collectivistic Values and Independent Selfhood:**

**A New Reality for Flourishing in East Asia**

Jeewon Hyun | *Sungkyunkwan University*

Hoon-Seok Choi | *Sungkyunkwan University*

## Biomedical Engineering / Natural Science

Wednesday, February 22, 2017 16:30-18:00 Anson I

Session Chair: *Prof. Qingwen Ni*

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### **TICEAS-2651**

#### **Assessment of Baboon Cortical Bone Microstructures and Related Mechanical Properties**

Qingwen Ni | *Texas A&M International University*

Daniel P. Nicolella | *Southwest Research Institute*

### **TICEAS-2678**

#### **Particles Trajectories Simulation of Hydrodynamic Focusing in Circular and Rectangular Polymer Microflow Cytometer**

Norasyikin Selamat | *National University of Malaysia*

Muhammad Syafiq Rahim | *National University of Malaysia*

Abang Annuar Ehsan | *National University of Malaysia*

### **TICEAS-2690**

#### **Simulation of 3D Hydrodynamic Focusing in Microfluidic Rectangular Shape Microflow Cytometer for Micro Size Cell Application**

Muhammad Syafiq Rahim | *National University of Malaysia*

Norasyikin Selamat | *National University of Malaysia*

Jumril Yunas | *National University of Malaysia*

Abang Annuar Ehsan | *National University of Malaysia*

### **TICEAS-2649**

#### **A Numerical Study on Non-Newtonian Pulsatile Blood Flow through Artery with Stenosis Using Fluid-Solid Interaction Approach**

Mahmood Norouzi | *Shahrood University of Technology*

Danial Cheraghali | *Shahrood University of Technology*

### **ICBENS-876**

#### **Influences of Mangiferin on Lipid Metabolism Pathway in High Fat Diet- And Streptozotocin-Induced Model in Rat**

Ching-Wen Chang | *Mackay Junior College of Medicine, Nursing and Management & China Medical University*

Ying-Fang Chen | *Da-Yeh University*

Yu-Chin Lin | *Da-Yeh University*

**ICBENS-996**

**The Measurement of the Water Vapor in the Atmosphere Using INACORS-BIG, for  
Weather Forecasts**

Syachrul Arief | *Hokkaido University*

Kosuke Heki | *Hokkaido University*

## Electrical & Electronic Engineering (1)

Wednesday, February 22, 2017 16:30-18:00 Anson II

Session Chair: *Prof. Seokho Yoon*

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### **TICEAS-2673**

#### **A Wearable Multimodal Mental Management System with Improved Data Transmission Circuits**

Yuan-Shing Chang | *I-Shou University*

Ke-Nung Huang | *I-Shou University*

Chou-Chen Wang | *I-Shou University*

### **TICEAS-2695**

#### **Approximate Analysis of Transient Heat Conduction in the Rotor of an Induction Motor during Auto-Transformer Starting**

Debasis Sarkar | *Indian Institute of Engineering Science and Technology, Shibpur*

Nirmal Kr. Bhattacharya | *JU*

Ashok Kr. Naskar | *Techno India-Batanagar*

### **TICEAS-2776**

#### **A Novel Direct Acquisition Scheme for Precision Code Acquisition**

Keunhong Chae | *Sungkyunkwan University*

Seokho Yoon | *Sungkyunkwan University*

## **Education (1) & Society (1)**

**Wednesday, February 22, 2017 16:30-18:00 Anson IV**

Session Chair: *Prof. Azusa Katsumata*

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### **ICEASS-2012**

#### **A Comparison of Asynchronous and Synchronous Feedback on EFL Syntactic Complexity**

Hui-Fang Shang | *I-Shou University*

### **ICEASS-2132**

#### **The Need Analysis for Establishing Warmhearted Community of Early Childhood Education**

Yuna Lee | *Changshin University*

Sangsoo Lee | *Pusan National University*

### **ICEASS-2137**

#### **The Analysis of Research Trends on the Early Childhood Empathy Education (Centering on the Scholarly Journal Papers)**

Ja Yun Choy | *Korea National University of Education*

Suk Ja Kim | *Korea National University of Education*

### **ICEASS-2147**

#### **An Analysis of Research Trends on Early Childhood Arts Education for Arts Convergence Education**

Kyoung Hye Lee | *Korea National University of Education*

Suk Ja Kim | *Korea National University of Education*

### **ICEASS-2129**

#### **Study on Working Mother Illustrated in Children's Picture Book "Mom, Do You Think about Me While at Work?"**

Ga Gyeong Lee | *Korea National University of Education*

Suk Ja Kim | *Korea National University of Education*

**ICEASS-29964**

**Mediating Effects of Motives for Using SNS in the Relationship of Basic Psychological Needs and SNS Addictive Tendencies among Korean High School Students**

Won-Hee Kim | *Pusan National University*

Yun-Hi Cho | *Pusan National University*

Dong Hyung Lee | *Pusan National University*

**ICEASS-29946**

**Identification Factors of Influence Society's Interest in Traditional Drugs with Binary Logistic Regression Analysis**

Welly Nur Armawati | *Islamic University of Indonesia*

Aulia Agustia Yuniar | *Islamic University of Indonesia*

Panji Satrio Kurniawan | *Islamic University of Indonesia*

Akhmad Fauzy | *Islamic University of Indonesia*

## Electrical & Electronic Engineering (2)

Thursday, February 23, 2017 08:45-10:15 Anson I

Session Chair: Mr. Do-Won Kim

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### TICEAS-2682

#### A Potentiostat Circuit Using Correlated Double Sampling Technique

Nishida Yoshio | *IME*

### TICEAS-2699

#### A 92.2% Peak Efficiency 3.3V to 20V Boost Converter for Brain Cortex Stimulation Application

Darmayuda I Made | *Institute of Microelectronics*

Lei Yao | *Institute of Microelectronics*

### TICEAS-2707

#### A 4×25 Gb/s, MZI Based Silicon Photonic Transceiver for 100 Gb/s AOC in 40nm CMOS

Kumarasamy Raja | *IME*

### TICEAS-2667

#### RF Loss Optimization for Silicon Photonics Mach-Zehnder Modulator

Do-Won Kim | *Institute of Microelectronics*

### TICEAS-2703

#### An Acoustic Wave Resonant Sensor for Turbine Oil Quality Monitoring

Qingyun Xie | *Institute of Microelectronics, A\*STAR*

Chengliang Sun | *Institute of Microelectronics, A\*STAR*

Nan Wang | *Institute of Microelectronics, A\*STAR*

Andrew B Randles | *Institute of Microelectronics, A\*STAR*

Pushpapraj Singh | *Institute of Microelectronics, A\*STAR*

Xiaolin Zhang | *Institute of Microelectronics, A\*STAR*

Yuandong Gu | *Institute of Microelectronics, A\*STAR*



## Finance

**Thursday, February 23, 2017      08:45-10:15      Anson II**

Session Chair: *Prof. Joon Ho Hwang*

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### **APCBM-291**

#### **Panic, Slash, or Crash- Do Black Swans Flap in Stock Markets?**

Dar-Hsin Chen | *National Taipei University*

Han-Lin Huang | *National Taipei University*

### **APCBM-265**

#### **The Relationships Study between Basel III Liquidity Risk Measures and the Volatility of Stock Prices**

Sheng-Jung Li | *Shu-Te University*

Ting-Yu Hsu | *Shu-Te University*

Chi-yu Hsu | *Shu-Te University*

### **APCBM-269**

#### **Stock Price Manipulation through Spreading False Rumor**

JaeSung Lee | *Digest*

Se-Hak Chun | *Seoul National University of Science and Technology*

Joon Ho Hwang | *Korea University*

### **APCBM-230**

#### **The Impact of Microfinance on Social Capital and Women Empowerment in India**

Shiv Prasad | *Maharshi Dayanand Saraswati University*

Ashish Pareek | *Maharshi Dayanand Saraswati University*

Deepika Upadhyaya | *Maharshi Dayanand Saraswati University*

## Accounting / Economy / Marketing

**Thursday, February 23, 2017      10:30-12:00      Anson I**

Session Chair: *Prof. Sung-Soo Yoon*

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### **APCBM-233**

#### **Financial Crisis, Financial Flexibility, and the Net Tax Benefit of Debt: Korean Evidence**

Sung-Soo Yoon | *Korea University Business School*

Jong Kwon Ko | *Hanyang University*

### **APCBM-240**

#### **Patient Recovery Flexibility in Healthcare Delivery System: Research Proposition and Implications**

Pradeep Kumar | *IIM Ranchi*

Shibashish Chakraborty | *IIM Ranchi*

Sasadhar Bera | *IIM Ranchi*

### **ICEASS-2208**

#### **Empowerment of Islamic Business Ethics in Supporting the Achievement of Vision Indonesia 2030**

Mohammad Indra Bangsawan | *University of Muhammadiyah Surakarta*

### **APCBM-283**

#### **Audit Quality and Firm-Level Investment Efficiency: Evidence from Tunisian Market**

Asma Houcine | *Emirates College of Technology*

## Management

**Thursday, February 23, 2017      10:30-12:00      Anson II**

Session Chair: *Prof. Insik Jeong*

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### **ICEASS-2127**

#### **An Empirical Study of Export Market Orientation in Korea**

Insik Jeong | *Korea University*

Eunmi Kim | *Korea University*

### **APCBM-251**

#### **A Comparative Study of the Service Industry in Japan and China**

Mayila Abulimiti | *Aichi Institute of Technology*

Yang Wang | *Aichi Institute of Technology*

Wenzhen Shi | *Aichi Institute of Technology*

Kondoh Takashi | *Aichi Institute of Technology*

### **APCBM-248**

#### **Study on Confucian Cooperation Consciousness Model**

Wenzhen Shi | *Aichi Institute of Technology*

Yang Wang | *Aichi Institute of Technology*

Abulimiti Mayila | *Aichi Institute of Technology*

Takasi Kondoh | *Aichi Institute of Technology*

### **APCBM-245**

#### **A Study on the EC Business, T-Mall and Jingdong-Mall in China**

Bo Zhang | *Aichi Institute of Technology*

Takashi Kondoh | *Aichi Institute of Technology*

### **APCBM-242**

#### **A Study on the Problem Consciousness of Quality Management in China**

Yang Wang | *Aichi Institute of Technology*

Abulimiti Mayila | *Aichi Institute of Technology*

Wenzhen Shi | *Aichi Institute of Technology*

Takashi Kondoh | *Aichi Institute of Technology*

**APCBM-271**

**A Chance Constraint Based Multi-Objective Stochastic Model for Locating Emergency Shelters**

Ashish Trivedi | *Indian Institute of Management Rohtak*

Amol Singh | *Indian Institute of Management Rohtak*

Narendra Tiwari | *UP State Disaster Management Authority Lucknow*

**ICEASS-30035**

**Parenting Style as a Predictor of Early Childhood Smartphone Addiction**

Cheol Park | *Korea University*

Ye Rang Park | *University of Wisconsin*

## Civil Engineering / Environmental Engineering

Thursday, February 23, 2017      13:00-14:30      Anson I

Session Chair: *Prof. Colin S Chen*

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### **TICEAS-2688**

#### **Investigation of Shear Design Expressions of Large-Diameter Concrete Filled Tube (CFT)**

Seo-Haeng Lee | *Seoul National University of Science & Technology*

Junghan Yoo | *Seoul National University of Science & Technology*

Charles Roeder | *University of Washington*

Dawn Lehman | *University of Washington*

### **TICEAS-2700**

#### **Cyclic Loading Tests for Beam to Column Weak-Axis Connections of Small-Size Steel Structures**

Woo-Young Lim | *Korea Institute of Civil Engineering and Building Technology*

Young-Chan You | *Korea Institute of Civil Engineering and Building Technology*

### **TICEAS-2706**

#### **Evaluation of Colored Pavement on Residential Streets**

Tetsuya Nishiura | *Okayama University*

Seiji Hashimoto | *Okayama University*

### **TICEAS-2654**

#### **Sorption and Desorption of Explosives in Soils and Sediments**

Colin S Chen | *National Kaohsiung Normal University*

Chien-Jung Tien | *National Kaohsiung Normal University*

Shih-Hsi Chen | *National Kaohsiung Normal University*

### **TICEAS-2715**

#### **Relation between Willingness for Out-of-the-Home Leisure**

Seiji Hashimoto | *Okayama University*

Naoya Atsumi | *Kobe City*

Syuji Yoshiki | *Fukuoka University*

## Culture

**Thursday, February 23, 2017      13:00-14:30      Anson II**

Session Chair: *Prof. Witchayanee Ocha*

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### **ICEASS- 2084**

**Why Religion Matters: The Influence of Buddhism on the Perception of Thai Transgender (Male to Female) Sex Workers**

Witchayanee Ocha | *Rangsit University*

### **ICEASS- 2112**

**Exploring the Diversification Discourse of Design Leadership by Attribution Theory: Confucian Culture and Exhibition Design**

Han Yun Chang | *National Taipei University of Technology*

Wen-Yin Chen | *National Taipei University of Technology*

### **ICEASS- 2118**

**Exploring Picnic Experience of TWITs Using an Act Module**

Yan-Jyun Cheng | *National Taipei University of Technology*

You-Ting Lin | *National Taipei University of Technology*

En-Ting Huang | *National Taipei University of Technology*

Soledad Falconi | *National Taipei University of Technology*

Wen-Dih Yeh | *National Taipei University of Technology*

### **ICEASS- 2189**

**Exploring Taiwanese Strategies for Developing Creative Cities: Using Gastronomy in Taitung City as an Example**

Po-Wen Huang | *National Taipei University of Technology*

Kuang-Hui Peng | *National Taipei University of Technology*

Kemo Sima | *National Taipei University of Technology*

### **ICEASS-2209**

**Structure, Hierarchy and Kin. An Anthropological Ethnography of the Old Market in Puerto Princesa, Palawan, Philippines**

Bryan Rich | *Palawan State University*

**ICEASS-29985**

**The Influence of Modernization in Shifting Values of Yogyakarta Society**

Istiadatul Khusniyah | *Islamic University of Indonesia*

Shera Budiarti | *Islamic University of Indonesia*

## Fundamental and Applied Sciences

Thursday, February 23, 2017 14:45-16:15 Anson I

Session Chair: *Prof. Darwish Al-Azmi*

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### TICEAS-2660

#### **Effect of the Oil/Water Viscosity Ratio on Spontaneous Imbibition in Tight Oil: A Theoretical and Experimental Study**

Zhan Meng | *China University of Petroleum-Beijing*

Shenglai Yang | *China University of Petroleum-Beijing*

Lu Wang | *China University of Petroleum-Beijing*

Hao Lei | *China University of Petroleum-Beijing*

Quanzheng Ma | *China University of Petroleum-Beijing*

Kun Qain | *China University of Petroleum-Beijing*

### TICEAS-2663

#### **Study on the Law of Elastic Recovery of Tight Reservoir and Its Influence Factors**

Zhan Meng | *China University of Petroleum-Beijing*

Shenglai Yang | *China University of Petroleum-Beijing*

Lu Wang | *China University of Petroleum-Beijing*

Quanzheng Ma | *China University of Petroleum-Beijing*

Kun Qain | *China University of Petroleum-Beijing*

### TICEAS-2664

#### **Physicochemical Characterization of Produced Oil, Brine, and ERock in Miscible CO<sub>2</sub> Water-Alternative-Gas Injection Processes**

Zhan Meng | *China University of Petroleum-Beijing*

Shenglai Yang | *China University of Petroleum-Beijing*

Lu Wang | *China University of Petroleum-Beijing*

Kun Qain | *China University of Petroleum-Beijing*

Hao Lei | *China University of Petroleum-Beijing*



**TICEAS-2668**

**Influencing Factors of the Oil Displaced Efficiency by Water for High Pour-Point Oil Reservoirs**

Zhan Meng | *China University of Petroleum-Beijing*

Shenglai Yang | *China University of Petroleum-Beijing*

Lu Wang | *China University of Petroleum-Beijing*

Kun Qain | *China University of Petroleum-Beijing*

Quanzheng Ma | *China University of Petroleum-Beijing*

**TICEAS-2694**

**Derivation of the Fifth Rank Tensor for Bulk Zincblende Using Group Theory and its Relation with Fourth Order Nonlinear Susceptibility**

Bayti Nurjanati | *Bogor Agricultural University*

Husin Alatas | *Bogor Agricultural University*

Hendrardi Hardhienata | *Bogor Agricultural University*

**TICEAS-2711**

**The Advantage of Using Radiation Probes Equipped with Two Detectors in Continuous Environmental Monitoring**

Darwish Al-Azmi | *Public Authority for Applied Education and Training (PAAET)*

**TICEAS-2813**

**Thermal Performance of a Solar Tunnel Dryer for Drying of Farm Crops**

Mohammad Ali Basunia | *Universiti Teknologi Brunei (UTB)*

## Education (2)

**Thursday, February 23, 2017      14:45-16:15      Anson II**

Session Chair: *Prof. José Antonio Anaya--Roa*

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### **ICEASS-2101**

#### **University Students' Approaches to Studying in Face-to-Face and Blended Learning Environments: A Comparative Study**

Betsy Ng | *Nanyang Technological University*

Seng Chee Tan | *Nanyang Technological University*

Choon Lang Quek | *Nanyang Technological University*

Peter Looker | *Nanyang Technological University*

Jaime Koh | *Nanyang Technological University*

### **ICEASS-2110**

#### **Self-Regulated Learning of Architectural Design Professionals in Taiwan**

Hui Chun Chuang | *National Taipei University of Technology*

### **ICEASS-2099**

#### **The Curriculum in an Agricultural University: Time to Change**

José Antonio Anaya--Roa | *Universidad Autonoma Chapingo*

Alejandra Romahn | *Colegio Euro Texcoco*

### **ICEASS-29933**

#### **Analysis of the Continuity in the Science Education Curricula between Kindergarten and Elementary School in South Korea**

Hyunae Kim | *Seoul National University*

### **ICEASS-29956**

#### **Mathematics Test, Numerical Task and Mathematics Course as Determinants of Anxiety toward Math on College Students**

Arturo, García-Santillán | *Universidad Cristóbal Colón*

Elena, Moreno-García | *Universidad Cristóbal Colón*

Milka, Escalera-Chávez | *Universidad Autónoma de San Luis Potosí*

Arturo, Córdova-Rangel | *Universidad Politécnica de Aguascalientes. Ags*

Jesica, Ramos-Hernández | *Universidad Cristóbal Colón*

### **ICEASS-29958**

#### **Abilities Present in High School Students Regarding Financial Mathematics Topics, as an Element of Financial Education**

Teresa, Zamora-Lobato | *Universidad de Xalapa*

José S., López Morales | *Instituto Tecnológico de Veracruz*

José G., Vargas-Hernández | *Universidad de Guadalajara*

Jesica J., Ramos-Hernández | *Universidad Cristóbal Colón*

María Teresa, Guevara Uscanga | *Universidad Cristóbal Colón*

Felipe, Pozos Texon | *Universidad Cristóbal Colón*

### **ICEASS-2210**

#### **Updating Preparations for Chinese Students toward More Effective Global Study and Career Interactions**

Yin Zhang | *Changzhou Institute of Light Industry and Technology*

## Communication / Law / Politics / Society (2)

Thursday, February 23, 2017      16:30-18:00      Anson I

Session Chair: *Prof. Saifeldin Hassan Elawad*

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### ICEASS-2095

**A Comparison of Emotional Crisis Response via Tweets in Germany, USA, and South Korea - A Study of VW Diesel Emissions Scandal -**

SunHa Yeo | *Ewha Womans University*

Hye-Young Park | *Sogang University*

Hee-Won Cha | *Ewha Womans University*

### ICEASS-29941

**Intermedia Agenda-Setting Influences on Source between New Media and Traditional Media: A Study of the 2010 Sudanese Presidential Elections**

Saifeldin Hassan Elawad | *Omdurman Islamic University*

### ICEASS-2145

**Applying the Concept of Public Participation to Examine Taiwan's Private Participation in Infrastructure System**

Po-Wen Huang | *National Taipei University of Technology*

Kuang-Hui Peng | *National Taipei University of Technology*

Kemo Sima | *National Taipei University of Technology*

### ICEASS-2122

**Donald Trump, His Media Relations and Future Impact on US Politics**

Marian Ehret | *Stamford International University*

Ricardo Lucio Ortiz | *Stamford International University*

### ICEASS-30012

**Education of Determinants of Hyperthyroidism in Women of Reproductive Age Based on Authentic Assessment Model**

Mutalazimah | *Universitas Muhammadiyah Surakarta*

Setya Asyanti | *Universitas Muhammadiyah Surakarta*

**ICEASS-2040**

**Borders and Cross-Border Integration in Post-Conflict Environments**

Tamar Arieli | *Tel Hai College*

## Education (3)

**Thursday, February 23, 2017      16:30-18:00      Anson II**

Session Chair: *Prof. Azusa Katsumata*

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### **ICEASS- 2181**

#### **Teachers Perspective on Barriers to Use Information and Communication Technology (ICT) in the Classrooms**

Prema Basargekar | *K J Somaiya Institute of Management Studies and Research*

Chandan Singhavi | *K J Somaiya Institute of Management Studies and Research*

### **ICEASS-2183**

#### **Perceived Proficiency of Teacher in using ICT in the Classrooms: Impact of Non-Manipulative and Manipulative Teachers' Factors**

Chandan Singhavi | *K J Somaiya Institute of Management Studies and Research*

Prema Basargekar | *K J Somaiya Institute of Management Studies and Research*

### **ICEASS-29948**

#### **Developing a Survey for Measuring Students' Conceptions of Learning Science by Augmented Reality**

Kun-Hung Cheng | *National Chiao Tung University*

### **ICEASS-29926**

#### **Study of Cooperative Career Education between Universities and Companies**

Azusa Katsumata | *Seijo University*

### **ICEASS-1999**

#### **Occupational Interest Schedule (OIS): Transformation in Management Education**

Sunil Kumar | *Alliance University*

### **ICEASS-29954**

#### **Building Communities through Creative Non-Fiction Writing**

Hiroyo Sugimoto | *Tokyo City University*

Yumi Yahagi | *Tokyo City University*

## Poster Sessions (1)

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**Education (1) / Psychology / Biological Engineering/  
Chemical Engineering/ Electrical & Electronic Engineering/  
Environmental Engineering / Fundamental & Applied  
Engineering (1)**

**Wednesday, February 22, 2017 09:00-10:00 Anson IV**

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### **ICEASS-2117**

**Impulsivity, Alcohol Expectancies, and Problem Drinking among College Students: A Latent Class Analysis**

Kyeongwoo Park | *Sungkyunkwan University*

Eunsol Lee | *Sungkyunkwan University*

Hyein Chang | *Sungkyunkwan University*

### **ICEASS-2123**

**The Role of Multidimensional Perfectionism in Predicting Bulimic Symptoms**

Sujin Lee | *Sungkyunkwan University*

Yejin Kim | *Sungkyunkwan University*

Hyein Chang | *Sungkyunkwan University*

### **ICEASS-2133**

**The Effects of Rumination on Depression: Facial Emotion Recognition and Interpersonal Problem Solving as Sequential Mediators**

Euwon Joh | *Sungkyunkwan University*

Hongjee Sung | *Sungkyunkwan University*

Hyein Chang | *Sungkyunkwan University*

Suyun Lee | *Sungkyunkwan University*

**ICEASS-2139****The Performance of Two Parallel Analyses Methods and Comparison Data Method in Estimating the Number of Factors**

Sang-Don Lim | *Sungkyunkwan University*

Seongchang Jeong | *Sungkyunkwan University*

Chang-Hun Han | *Sungkyunkwan University*

**ICEASS-2142****Daily Emotional Experience and Self-Esteem, and Their Relations to Depression and Neuroticism in College Students**

Seul Lee | *Sungkyunkwan University*

Songyi Park | *Sungkyunkwan University*

Seungmin Jahng | *Sungkyunkwan University*

**ICEASS-2161****Bias and Standard Errors in Traditional Norming and Model-Based Norming**

Yuri Jeong | *Sungkyunkwan University*

Taewha Kim | *Sungkyunkwan University*

Seungmin Jahng | *Sungkyunkwan University*

**ICEASS-2100****Does Attentional Shift by Dual Task Influence Visual Short-Term Memory?**

Sori Kim | *Sungkyunkwan University*

Min-Suk Kang | *Sungkyunkwan University*

**ICEASS-29950****The Study on the Effect Factors on Time to Degree of College Students in South Korea**

Sunju Park | *Chungnam National University*

Soojung Park | *Chungnam National University*

Hyeyoung Lee | *Chungnam National University*

**TICEAS-2613****A Reliable Shortest-Distance Method to Analyze Motor's Current Waveforms for Quality Control**

Yun-Chi Yeh | *Chien Hsin University of Science and Technology*

Che Wun Chiou | *Chien Hsin University of Science and Technology*

Chong-Wei Jhou | *Chien Hsin University of Science and Technology*

Tsui-Yao Chu | *National Chung Shan Institute of Science and Technology*



**TICEAS-2743**

**Tracking Control with Obstacle Avoidance of Autonomous Mobile Robot**

Bong Seok Park | *Kongju National University*

Chang-Ho Hyun | *Kongju National University*

**TICEAS-2762**

**A Moving Object Extraction Based on Simplified Background Image Updating Method**

Won-Ho Kim | *Kongju National University*

Nuwan Sanjeeva | *Kongju National University*

**TICEAS-2780**

**Two-Stage Security Constrained Unit Commitment method for Microgrids**

Taehyun Kim | *Pusan National University*

Hansol Shin | *Pusan National University*

Hyongtae Kim | *Pusan National University*

Seongwoo Lee | *Pusan National University*

Changhwa Lee | *Pusan National University*

Wook Kim | *Pusan National University*

**TICEAS-2781**

**A Study on Optimal Generator Maintenance Scheduling Considering Equivalent Operating Hours and Transmission Constraints**

Hansol Shin | *Pusan National University*

Taehyun Kim | *Pusan National University*

Hyongtae Kim | *Pusan National University*

Seongwoo Lee | *Pusan National University*

Changhwa Lee | *Pusan National University*

Gyeongtae Woo | *Pusan National University*

Wook Kim | *Pusan National University*

**TICEAS-2806**

**Tapped-Inductor Boost Converter Steady-State Analysis in Renewable Energy Systems**

Minh Thao Nguyen | *Soongsil University*

Tran Viet Thang | *Soongsil University*

Joung-Hu Park | *Soongsil University*

#### **TICEAS-2655**

##### **Identifying the Cause of Acute Toxicity of Effluents from the Wafer Packaging and Testing Industry to *Daphnia Magna***

Chien-Jung Tien | *National Kaohsiung Normal University*

Colin S Chen | *National Kaohsiung Normal University*

Ji-Mu Lyu | *National Kaohsiung Normal University*

Shu-Chun Lin | *National Kaohsiung Normal University*

#### **ICBENS-960**

##### **Plasmid DNA-Loaded Bulking Agent System for the Treatment of Vocal Fold Paralysis**

Mi Ri Park | *Hannam University*

Tae Ho Kim | *Hannam University*

Seong Keun Kwon | *Seoul National University Hospital*

Se Heang Oh | *Dankook University*

Jin Ho Lee | *Hannam University*

#### **ICBENS-994**

##### **Continuous Lactic Acid Monitoring System for Non-Invasive Assessment of Anaerobic Metabolism**

Hiroyuki Kudo | *Meiji University*

Keigo Enomoto | *Meiji University*

Nozomi Kawai | *Meiji University*

#### **ICBENS-1098**

##### **Production of Polyphenolic Compounds from Lipid Extracted Microalgae Using Ultrasonic-Assisted Extraction**

Jinwoo Kim | *Sunmoon University*

#### **TICEAS-2637**

##### **Application of Novel Conjugated Polymers with Fluorinated Quinoxaline**

Youngeup Jin | *Pukyong National University*

Won Moon Lee | *Pukyong National University*

Dae Gil Jeon | *SilverStar-Chemical Company*

Seong Soo Park | *Pukyong National University*

#### **TICEAS-2679**

##### **Fabrication of Stimuli-Responsive Hydrogels for Controlled Drug Delivery**

Ho-Joong Kim | *Chosun University*

Bo Ram Kim | *Chosun University*

**TICEAS-2742**

**Pyrolyzed Catecholamine-induced Carbon Nanowires for Highly Capacitive Electrochemical Electrodes**

Wonoh Lee | *Chonnam National University*

**TICEAS-2734**

**Electrochemical Characteristics of the Vanadium Electrolyte Composed of Mixed Acid and Organic Additive for Vanadium Redox Flow Battery**

Cheolhwi Ryu | *Hoseo University*

Gabjin Hwang | *Hoseo University*

Daemin In | *Hoseo University*

**TICEAS-2763**

**Polymerization of Olefin with SiO<sub>2</sub>-MgCl<sub>2</sub> Bisupported Single-Site Catalyst**

Young Soo Ko | *Kongju National University*

**TICEAS-2753**

**Effect of Styrene-Maleic Anhydride Grafted PP Copolymer on the Mixing Properties of PP/KF Composites**

Sun Gyo Ku | *Kongju National University*

Gyeong Min Shin | *Kongju National University*

Youn Cheol Kim | *Kongju National University*

**TICEAS-2766**

**Exploring Multidisciplinary Research Themes in Responsive to Negative Impacts of Emerging Technologies**

Yongtae Park | *Seoul National University*

Heeyeul Kwon | *Seoul National University*

Haejin Jo | *Seoul National University*

## Poster Sessions (2)

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### Business/ Education (2) / Management/ Society

Thursday, February 23, 2017      09:00-10:00      Anson IV

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#### APCBM-241

##### **A Mediating Effects of Resilience among Entrepreneurship and Challenge Taking Behavior and Career Preparation**

Daesu Kim | *Yeungnam University*

Junghyun Yoon | *POSTECH*

Dongshik Lee | *Ulsan University*

#### APCBM-247

##### **An Empirical Study on the Effects of Different Business Exchange Activation on Convergence Performance in SMEs**

Choong Hyun Kim | *Yeungnam University*

Sung Rac Son | *Yeungnam University*

Jae Kang Lee | *Yeungnam University*

#### ICEASS-2051

##### **Effect of Gamification on Health Promotion**

Hiroaki Uechi | *Yamaguchi University*

#### ICEASS-2058

##### **Deriving the Best Learning Path for Freestyle Swimming from the Rule-Space Model**

Ku-Chen Huang | *Tamkang University*

Yung-Hui Chen | *Lunghwa Univerisity of Science and Technology*

Chun-Hsiung Tseng | *Nanhua University*

Tung-Kuei Chiu | *National Chi Nan University*

#### ICEASS-2097

##### **Research Trends and Implication of “Meaning of Life”: The Middle Age**

Ha Eun Yoon | *Pusan National University*

Soon Hwa Yoo | *Pusan National University*

Suk-Woo Kim | *Pusan National University*

**ICEASS-29934**

**The longitudinal Study of Korean Adolescents' Self-Directed Learning Ability**

Jungmin Lee | *Chungnam National University*

Hyewon Chung | *Chungnam National University*

**ICEASS-29938**

**Latent Class Analysis of Elementary School Students using Academic Achievement and Participation and Testing Predictors**

Seunghiey Baek | *Chungnam National University*

Hyewon Chung | *Chungnam National University*

**ICEASS-29949**

**To be Global Citizen of Korean ‘Yun Ch`i-ho(尹致昊)’ : Focusing on the Experience of Studying Abroad in China**

Jin-Kyoung Min | *Chungnam National University*

Youngmi Park | *Chungnam National University*

Hyun Jung Woo | *Chungnam National University*

Kwang Man Choi | *Chungnam National University*

**ICEASS-30005**

**Research Trends and Implication of “Meaning of Life”: The Old Age**

Ye Ji Sim | *Pusan National University*

Soon Hwa Yoo | *Pusan National University*

**ICEASS-29998**

**The Influence of Emotional Intelligence and Self-Efficacy of College Students on the Subjective Well-Being**

YunSil Son | *Pusan National University*

JungSub Kim | *Pusan National University*

**ICEASS-29999**

**The Effects of Strengths Use and Meaning in Life on the Self-Efficacy**

Woori Kim | *Pusan National University*

JungSub Kim | *Pusan National University*

**ICEASS-30001****The Relationships between Korean Teachers' Burnout and Conceptions of Assessment**

Minsun Kim | *Pusan National University*

JungSub Kim | *Pusan National University*

Hoyyong Kim | *Pusan National University*

**ICEASS-30010****The Effect of Vice-Principal's Leadership on Teacher's School Satisfaction**

Dong-Sun Kim | *Pusan National University*

Min-Jeong Shin | *Pusan National University*

Chang-Nam Hong | *Pusan National University*

**ICEASS-29978****Relationship between Ambivalence over Emotional Expressiveness and Interpersonal Problems of University Students**

Chaeyoung Shin | *Pusan National University*

Soohwa Yoo | *Pusan National University*

**ICEASS-2091****Relationship between Self-Consciousness and Negative Cognitive Emotion Regulation**

Jinyoung An | *Pusan National University*

Soonhwa Yoo | *Pusan National University*

**ICEASS-30016****A Ecological Study for Constructing Collaborative Governance in School**

Danam Kwon | *Pusan National University*

Daehyun Kim | *Pusan National University*

**ICEASS-30019****A Study of Korean Culture through Cultural Shock of Indonesian Muslim Students**

Min Hur | *Chungnam National University*

**ICEASS-30025****The Understanding of the Educational Meaning about the 'Yoo-Su' Children's Out-Of-School Lives in China's Rural Region**

Suman Jia | *Chungnam National University*

**APCBM-257****Health Management Regarding Tracking Phenomenon to Adult Obesity**

Katsunori Fujii | *Aichi Institute of Technology*

**ICEASS-29943**

**Friendship Forever? Relationships among Friendship, Trust and Brand Loyalty - A Study of Facebook Fan Pages of Starbucks**

Wen-Jung Chang | *Delin Institute of Technology*

Shu-Hsien Liao | *Tamkang University*

Yu-Chun Chung | *Tamkang University*

**ICEASS-30028**

**The Effects of Meaning in Life and Work Volition of College Students on the Satisfaction in Life**

Hyo Jin Shim | *Pusan National University*

Jung Sub Kim | *Pusan National University*

HoyYoung Kim | *Pusan National University*

**APCBM-246**

**The Operation Improvement in Service Organization with the International Standard**

Krisda Pisonyabuth | *Ramkhamhaeng University*

## Poster Sessions (3)

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**Civil Engineering/ Material Science and Engineering / Natural Science/Fundamental & Applied Engineering (2) / Computing Science & IT Engineering/Mechanical Engineering/ Electrical & Electronic Engineering (2)**

**Thursday, February 23, 2017      10:30-11:30      Anson IV**

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### **TICEAS-2698**

#### **Flexural Behavior of Exposed Column-Base Plate Weak-Axis Connections**

Young-Chan You | *Korea Institute of Civil Engineering and Building Technology*

Min-Sun Kim | *Korea Institute of Civil Engineering and Building Technology*

Woo-Young Lim | *Korea Institute of Civil Engineering and Building Technology*

### **TICEAS-2748**

#### **Modulus of Rupture of Activated Hwangtoh Concrete**

Seung-Hun Kim | *Hanbat National University*

Mi-Rae Park | *Hanbat National University*

### **TICEAS-2779**

#### **Traffic Flow Smoothing Based on Individual Desired Speed**

Yukiko Wakita | *Nagoya University*

Kenta Yamada | *Nagoya University*

Tomio Miwa | *Nagoya University*

Takayuki Morikawa | *Nagoya University*

### **TICEAS-2709**

#### **Fabrication of Non-Spherical Polymeric Particles and Its Application**

Hyun Jin Oh | *Kyungpook National University*

Ju Hyang Park | *Kyungpook National University*

Se Jeong Hwang | *Kyungpook National University*

Dong Choon Hyun | *Kyungpook National University*



**TICEAS-2738**

**Wood Charcoal Derived Porous Hardcarbon as Highly Stable Anode Material for Sodium and Potassium Ion Battery**

Richard Prabakar | *Sunchon National University*

Myoungho Pyo | *Sunchon National University*

**TICEAS-2740**

**Repeatable Drug Release Using an External Magnetic Stimulus from PCL Hollow Particles**

Se Jeong Hwang | *Kyungpook National University*

Ju Hyang Park | *Kyungpook National University*

Dong Gug Kang | *Pyung-hwa Oil Seal Industry Co.*

Dong Choon Hyun | *Kyungpook National University*

Hyun Jin Oh | *Kyungpook National University*

**ICBENS-877**

**Utilization of Non-Economic Brown Seaweed (*Padina australis*) as Green Nanocatalyst Zinc Oxide**

Dita Khaerani | *Universitas Indonesia*

Adysta Nandya Putri | *Universitas Indonesia*

Shafira Quamila Dewi | *Universitas Indonesia*

**ICBENS-964**

**Dental Age Assessment: Is the Reference Data Set of Southern Chinese Applicable in Cambodia?**

Hai Ming Wong | *The University of Hong Kong*

**ICBENS-991**

**The Thermal Environment of Water Resource Forests in Suburban Areas as Seen through Soil Temperature**

Mie Takeda | *Aichi Institute of Technology*

**TICEAS-2724**

**Comparative Analysis of Performance Run Length (RLE) Data Compression Using VHDL and Microcontroller**

Marvin Chandra Wijaya | *Maranatha Christian University*

**TICEAS-2686**

**Optimizing Spring Design of Fully Decoupled Vibrating MEMS Gyroscope**

Jing Jin | *National University of Singapore*

Guoqiang Wu | *Institute of Microelectronics, A\*STAR (Agency for Science, Technology and Research)*

Yuandong Gu | *Institute of Microelectronics, A\*STAR (Agency for Science, Technology and Research)*

**TICEAS-2705**

**Development of a Tri-Axial Capacitive Accelerometer Fabricated Using a 9DOF Inertial MEMS Platform**

Beibei Han | *A\*STAR*

**TICEAS-2672**

**A Fractional-N Synthesizer for MEMS Based Timing Device**

Dan Lei Yan | *Institute of Microelectronics*

**TICEAS-2721**

**Photonic Spectrometer via a Tuneable Ring Resonator for Sensing Applications**

Shaonan Zheng | *Nanyang Technological University*

Hong Cai | *Institute of Microelectronics, A\*STAR (Agency for Science, Technology and Research)*

Yuandong Gu | *Institute of Microelectronics, A\*STAR (Agency for Science, Technology and Research)*

Ai Qun Liu | *Nanyang Technological University*

**TICEAS-2722**

**Volatile Organic Compounds Sensing Via Optofluidic Ring Resonator Array**

Gong Zhang | *Nanyang Technological University*

Hong Cai | *Institute of Microelectronics, A\*STAR (Agency for Science, Technology and Research)*

Yuan Dong Gu | *Institute of Microelectronics, A\*STAR (Agency for Science, Technology and Research)*

Ai Qun Liu | *Nanyang Technological University*

**TICEAS-2717**

**An Optomechanical Actuator Driven by Optical Wavelength in Photonics Circuits**

Jianguo Huang | *Nanyang Technological University*

Ai Qun Liu | *Nanyang Technological University*

Hong Cai | *Institute of Microelectronics, A\*STAR (Agency for Science, Technology and Research)*

Alex Gu | *Institute of Microelectronics, A\*STAR (Agency for Science, Technology and Research)*









